

EAGLE MOUNTAIN CITY
CITY COUNCIL MEETING
MARCH 3, 2015

TITLE:	Change Order – Additional Consulting Services by PSOMAS Engineers for the Waterline to Connect to the Central Water Project (CWP)		
FISCAL IMPACT:	\$10,597 (51-45-51000-7313)		
APPLICANT:	David C. Norman, Public Works Director		
GENERAL PLAN DESIGNATION N/A	CURRENT ZONE N/A	ACREAGE N/A	COMMUNITY

NOTICES:

- Posted in 2 public places
- Posted on City webpage
- Notice to newspapers

REQUIRED FINDINGS:

**Public Works Board
Recommendation**

Vote: N/A

Prepared By:
David C. Norman

NOTES/COMMENTS:

RECOMMENDATION:

That the City Council approve a change order for professional engineering design and construction management services for PSOMAS Engineers for the pump waterline project to connect to the CWP pipeline in the amount of \$10,597.

BACKGROUND:

In 2005, the Central Utah Water Conservancy District (CUWCD) acquired 42,400 acre-feet (AF) of water rights from the former Geneva Steel Company. CUWCD is now developing a project to deliver these water rights to customers located in northern Utah and southern Salt Lake counties. Eagle Mountain City has recently signed an agreement with CUWCD to purchase 2,500 AF of water annually through the CWP, with an option to purchase up to 15,000 AF in year 2020. The agreement supplies water to the City under a take or pay contract, which means that the City is committed to pay for the water whether it uses it or not.

While working on the new pipeline project, additional water system modeling was done by PSOMAS Engineers, at the request of the City, to determine why the North Ranch subdivision area was losing water pressure when Well 2 isn't in operation. It was determined through the modeling process that the waterline in Cedar Drive was now too small to supply adequate flow during the peak summer months. An additional 12 inch waterline would allow for the additional flow needed during the peak months to provide an additional 10 psi, which would prevent the water pressure in the North Ranch area from falling below the required minimum of 30 psi.

In order to complete the project quickly and to maximize the cost savings, it was determined to combine this project with the Pony Express waterline project. An additional \$6,647.00 was needed to provide the design and construction management services so the project could be built with the Pony Express pipeline.

The remainder of the cost increase of \$3,950.00 is the cost for additional construction management services required to inspect the work done by the

contractor to locate the leaks, and the repair of the leaks and the repair of one of the valves in the waterline, after the work was substantially complete, but prior to final completion. The \$3,950.00 was deducted from the contractor's change order, since this work was only needed after the construction contract was supposed to be complete.

A breakdown of the budget for this project is shown below:

Total Approved (not to exceed)	\$3,400,000.00
- Construction Contract	\$2,535,570.00
- Construction Change Order 1	(\$2,726.00)
- Construction Change Order 2	\$61,847.92
- Construction Change Order 3	\$19,438.38
- Construction Change Order 4	\$124,135.92
Total Construction Cost	<u>\$2,738,266.22</u>
- Engineering Contract (current)	\$94,329.00
- Engineering Contract Change Order	\$10,597.00
Total Engineering Contract Cost	<u>\$104,926.00</u>
Current Cost w/ Change Orders	<u>\$2,843,192.22</u>
Remaining Contingency	<u>\$556,807.78</u>